

CLAIMS

1. A method for altering settings of a mobile device in accordance with motion information, said method comprising:

(a) obtaining motion information for a mobile device;

5 (b) determining whether one or more settings of the mobile device should be altered based on the motion information; and

(c) altering the one or more settings of the mobile device based on the motion information.

10 2. A method as recited in claim 1, wherein the mobile device is one of a mobile telephone, a pager, and a personal digital assistant.

3. A method as recited in claim 1, wherein said obtaining (a) operates to periodically obtain the motion information.

15 4. A method as recited in claim 1, wherein the motion information is provided locally within the mobile device.

5. A method as recited in claim 1, wherein the motion information is an indication of whether the mobile device is being carried by a user.

20 6. A method as recited in claim 1, wherein the mobile device includes at least a motion sensor, and

25 wherein said obtaining (a) obtains the motion information from the motion sensor.

7. A method as recited in claim 6, wherein the motion information is a current motion indication, and

30 wherein said determining (b) includes at least (b1) comparing the current motion indication with a threshold level, and (b2) determining whether a current state of the mobile device is active or stationary based on said comparing (b1).

8. A method as recited in claim 7, wherein said altering (c) operates to alter the one or more settings of the mobile device in accordance with the current state.

5 9. A method as recited in claim 8, wherein the current motion indication indicates a degree of movement.

10 10. A method as recited in claim 1, wherein the one or more settings of the mobile device comprise at least one user preference.

11. A method as recited in claim 1, wherein the one or more settings of the mobile device comprise at least one notification characteristic.

12. A method as recited in claim 1, wherein the mobile device includes a ringer, and

wherein said altering (c) of the one or more settings of the mobile device operates to set a ringer-mode for the ringer within the mobile device.

13. A method as recited in claim 1, wherein the one or more settings of the mobile device being altered by said altering (c) correspond to one or more user preferences.

14. A method as recited in claim 1, wherein the mobile device includes at least a ringer and at least one motion sensor,

25 wherein said obtaining (a) obtains the motion information from the motion sensor,

wherein the motion information is a current motion indication,

wherein said determining (b) includes at least (b1) comparing the current motion indication with a threshold level, and (b2) determining

30 whether a current state of the mobile device is active or stationary based on said comparing (b1), and

wherein said altering (c) of the one or more settings of the mobile device operates to set a ringer-mode for the ringer within the mobile device in accordance with the current state.

15. A method for altering settings of a mobile device, said method comprising:

determining whether the mobile device is proximate to its owner;

5 setting one or more mobile device settings in accordance with a first mode when said determining determines that the mobile device is proximate to its owner; and

10 setting the one or more mobile device settings in accordance with a second mode when said determining determines that the mobile device is not proximate to its owner.

16. A method as recited in claim 15, wherein the mobile device is one of a mobile telephone, a pager, and a personal digital assistant.

15 17. A method as recited in claim 15, wherein said method is periodically performed.

18. A method as recited in claim 15, wherein said determining of whether the mobile device is proximate to its owner operates to estimate whether the 20 mobile device is being carried by a user.

19. A method as recited in claim 15, wherein the mobile device includes a ringer, and

25 wherein said setting of the one or more mobile device settings in accordance with the first or second modes operates to alter a ringer-mode for the ringer within the mobile device.

20. A method as recited in claim 19, wherein the mobile device is one of a mobile telephone, a pager, and a personal digital assistant.

21. A method for altering settings of a mobile device, said method comprising:

(a) receiving a motion indication for the mobile device, the motion indication providing a quantification of the motion that the mobile device has recently undergone;

(b) determining from the motion indication whether the mobile device has been stationary for at least a first predetermined period of time;

(c) setting one or more mobile device settings to stationary preferences when said determining (b) determines that the mobile device has been stationary for at least the first predetermined period of time; and

(d) setting the one or more mobile device settings to active preferences when said determining (b) determines that the mobile device has not been stationary for at least the first predetermined period of time.

15 22. A method as recited in claim 21, wherein the mobile device includes a ringer, and

wherein the one or more mobile device settings comprise a ringer-mode setting for the ringer within the mobile device.

20 23. A method as recited in claim 21, wherein the mobile device is one of a mobile telephone, a pager, and a personal digital assistant.

25 24. A method as recited in claim 21, wherein the stationary preferences and the active preferences are user-determined preferences for the one or more mobile device settings.

25 25. A method as recited in claim 21, wherein the one or more settings of the mobile device comprise at least one notification characteristic.

30 26. A method as recited in claim 21, wherein said method further comprises:

(e) determining whether the mobile device has been stationary for a second predetermined period of time, the second predetermined period of time being greater than the first predetermined period of time; and

(f) activating a usage lock for the mobile device when said determining (e) determines that the mobile device has been stationary for the second predetermined period of time.

- 5 27. A method as recited in claim 26, wherein the usage lock prevents usage of the mobile device when activated, and
wherein the usage lock is deactivated to permit usage of the mobile device by entering a code.

- 10 28. A method as recited in claim 26, wherein the mobile device includes a ringer, and
wherein the one or more mobile device settings comprise a ringer-mode setting for the ringer within the mobile device.

- 15 29. A method as recited in claim 28, wherein the mobile device is one of a mobile telephone, a pager, and a personal digital assistant.

30. 30. A method as recited in claim 29, wherein the stationary preferences and the active preferences are user-determined preferences for the one or 20 more mobile device settings.

31. 31. A mobile communication device, comprising:
a display screen;
navigation or data entry buttons for facilitating user interaction with
25 said mobile communication device;
user preference store that stores user preference information;
a motion sensor that detects movement of said mobile communication device; and
a notification unit operatively connected to said user preference store
30 and said motion sensor, said notification unit operating to provide notifications to a user of said mobile communication device based on the movement of said mobile communication device detected by said motion sensor.

32. A mobile communication device as recited in claim 31, wherein said mobile communication device is one of a mobile telephone, a pager, and a personal digital assistant.

5 33. A mobile communication device as recited in claim 31, wherein said notification unit comprises a ringer.

34. A mobile communication device as recited in claim 31,
wherein the user preference information includes a first set of user
10 preferences and a second set of user preferences,
wherein said notification unit operates to provide notifications to the user of said mobile communication device in accordance with the first set of user preferences when said motion sensor detects that said mobile communication device has recently undergone movement, and
15 wherein said notification unit operates to provide notifications to the user of said mobile communication device in accordance with the second set of user preferences when said motion sensor detects that said mobile communication device has not recently undergone movement.

20 35. A mobile communication device as recited in claim 31, wherein said mobile communication device further comprises a usage lock the usage lock prevents unauthorized usage of said mobile communication device when activated.

25 36. A mobile communication device as recited in claim 31, wherein said mobile communication device further comprises a wireless browser for interaction with a remote server.

37. A computer readable medium including computer program code for
30 altering settings of a mobile device in accordance with motion information,
said computer readable medium comprising:
computer program code for obtaining motion information for a mobile device;

computer program code for determining whether one or more settings of the mobile device should be altered based on the motion information; and
computer program code for altering the one or more settings of the mobile device based on the motion information.

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38. A computer readable medium including computer program code for altering settings of a mobile device, said computer readable medium comprising:

10 computer program code for determining whether the mobile device is proximate to its owner;

computer program code for setting one or more mobile device settings in accordance with a first mode when said determining determines that the mobile device is proximate to its owner; and

15 computer program code for setting the one or more mobile device settings in accordance with a second mode when said determining determines that the mobile device is not proximate to its owner.

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